A.N.A.R.T.S. News Bulletin 1343 for 10th April 2005.

Col's Column

Early Electrical Communication.

Some more British Telegraphs.

Davy's telegraph.

Edward Davy commenced working on a telegraph in 1836 that was similar to Alexanders, however it was much more sophisicated and could have become a serious competitor to Cooke and Wheatstones telegraph. His device was first published in the Mechanics Magazine.

The transmit section had 8 keys, each able to send three different characters by moving the keys in different directions. At the receiving end there was cabinet with front glass screen. The telegraph could transmit and receive 24 characters. These characters were printed onto a white paper and was illuminated by a lamp. Each of the characters was visible only when a corresponding needle moved from the vertical.

The magazine stated that the operator sated facing an aperture sixteen inches long, and three or four inches wide, facing the eyes. The aperture appeared normally as black. When a signal was received and the appropriate needle moved away from the vertical, a letter would appear bright and luminous.

Also, at the receive end, each signal received caused a stylus to dip and touch a strip of paper with prepared chemicals, the marks displayed showing the letter being transmitted.

Davy had made great progress with this device and realised that Cooke and Wheatstone were his big rivals to his commercialising his system. He accordingly sent a description of the telegraph to the british Solicitor General, indicating that he intended later to enter a 'Caveat'. What happened to his commercial aspirations is unfortunately not recorded..

But Davey went on with communications work and is credited in some circles as the inventor of the Relay'. We shall have a look at that next week.

Till then 73's

Col VK2CTD

IPS Weekly Solar and Geophysical Report for 1/7th Apr

SUMMARY

Date	01	02	03	04	05	06	07
10cm flux	78	80	81	85	88	88	88
AFr index	6	1	4	11	30	7	7 est
Aaus index	6	2	4	17	21	9	6 est
T index	42	35	41	38	50	66	61

Solar flare activity was very low all week.

Geomagnetic activity observed for the Australian Region was
quiet to unsettled on 1st 6th and 7th quiet on 2nd and 3rd
quiet to minor storm on 4/5th.

Southern Australian Ionospheric F2 critical frequencies
were near predicted 1/4th and 6th depressed 15 percent to
30 percent enhanced on 5th, enhanced 15 to 20 percent on 7th.

Forecast for 8/14th Apr

Solar activity should be low.

Geomagnetic activity should be mostly quiet with active
intervals possible 10/11th and 13th Apr.

Frequencies could be depressed 15 percent on 14th otherwise
near normal. No Short Wave Fadeouts are expected.

VK2SG RTTY DX NOTES FOR WEEKENDING 7TH APR

Our thanks this week go to W2JGR AA5AU DJ3IW GU0SUP WX5L UT5RP
OH2AQ DXSummit.

Bandpass:

Friday 1
1051-14084 T68G Qsl LA4YW
1106-14086 BV50CRA Qsl BV2KI
1135-14079 JT1CO
1206-14083 FR5HA
1208-14075 VR2XLN
1434-21081 J20FH
1508-14082 TA4EB
1509-14086 UN8PIM
1533-14086 TF3GC
1613-14085 EW1KP
1729-14080 HS0ZEE Qsl qrz.com
1738-14081 CU3AD
1903-14086 TA1FA
1911-14082 HR1EPZ
2003-10136 9Y4/DC3MAR
2005-10140 OY4TN
2053-14082 HC5T
2102- 7035 TF3GC
2118-14086 HR1RMG/HR6
2241- 7037 EA9IE
2346-21084 BV50CR

Saturday 2
0054-14084 BV50CRA

0057- 7037 UU4JXM
0152- 3584 UU4JXM
0805-18101 VK9NS
0832-10100 VK9NS
0915-18102 SU9FL
0955-21083 EK8ZZ
1031-21083 CX7BF
1102-21084 A71BX
1202-21081 FR5AB
1204-21085 OD5PL
1219-14080 HL2005VGK
1226-21087 3B9FR
1233-14085 TF3GC
1246-18103 KP4JRS
1255-21083 XX9BB
1303-21084 4S7AB
1328-21085 EK8ZZ
1329-14082 9V1VV
1356-14086 HR1RMG/HR6
1358-21086 V51AS
1422-21084 J20FH Qsl F5PRU
1425-18106 UR5EDU

Sunday 3
0725-21085 EA6BH
1530-14104 UO6P
1454-21086 V51AS
2125-14082 YV4FUE

Monday 4
0210-7087 YV6BTF
1115-18097 9G5OO
1335-14086 7J1BBC
1353-14086 RK9UM
1441-14082 CU3AD
1501-14089 VR2XLN
1723-14079 VR2BG
1817-14079 4S7AB

Tuesday 5
0559-14090 4Z5MZ
1122-14082 UN8PIM
1401-14080 UA9MFB
1723-14081 A25/DM2AYO
1728-14080 VR2BG
1823-10145 VR2BG
2022- 3585 SN25ZCC
2132-14081 CU3BL

Wednesday 6
0948-14085 AP2IA
1044-14084 RK9UM
1125-14079 JT1CO
1418-21081 A25/DM2AYO
1451-21084 E20KIR
1528-14083 JT1CO
1537-14087 UR7EY
1630-18111 A25/DM2AYO
1656-14084 CU3AD
1656-14084 4S7AB
1717-14081 HZ1IK Qsl DK7YY
1718-14086 VR2XLN
1720-14081 CU3BL

1730-14084 UR3LC
2010-14087 UR1MI
2014-14081 A25/DM2AYO
2219-7040 FM5AA

Thursday 7
0947-21080 XU7ABN
1055-14083 UT6EY
1135-18100 4X7UO Qsl WB3CQN
1138-24922 HZ1IK
1140-14088 UK8OAR
1142-24920 A25/DM2AYO
1219-28081 A25/DM2AYO
1304-14084 VR2BG
1305-18108 A25/DM2AYO
1341-14086 T99C
1348-14085 YL740C
1458-18102 SU1SK
1610-14081 A25/DM2AYO
1659-14083 XU7ABN
1753-14088 9Y4/DC3MAR
1943-10143 VR2BG
1947-14084 EK8ZZ

Note of interest:

BOTSWANA, A25. From Apr 06/20th DL7CM and DM2AYO will sign
A25/homecall from 160-6m on CW SSB RTTY PSK with 2 stations
with amps and antennas 27m GP, 3el-5bd-yagi, HF9V, 4el on 6m.

BAHAMAS, C6A. Look for EA5ON as GM7CXM/C6A from Grand Bahama on
80-10m mainly SSB but also some digital. Qsl via buro or direct.

GLORIOSO, FR/G. The scheduled operation by F5OGL and F5NQL from
May 15 to Jun 1 has been postoponed until Oct/Nov this year.

You can subscribe to the digital-dx reflector - send an
e-mail message to majordomo at mla.nifty.ne.jp as follows:
Subject: (blank) Message Body: subscribe digital-dx

For next week's bulletin, send your bandpass and notes of
interest to Goetz dj3iw at t-online.de

Gl de (DX2) Luciano, I5FLN

The Ohio/Penn DX Bulletin No. 704 - excerpts

60 METERS
Start looking for club stations in Norway to be active on 60M
as of 2200z Mar 31/Dec 31 2007.

A5, BHUTAN
Stig, 9N7JO (LA7JO and HS0ZGD) will be active as A52JO from
Apr 4-12. Activity will be SSB and CW on all bands outside his
working hours. QSL via 9N7JO (Thailand address on (QRZ.com))
Stig Lindblom, Regional Telecoms Officer, UNICEF Regional
Office for South Asia (ROSA), PO Box 5815, Lekhnath Marg,
Kathmandu, Nepal.

ANTARCTICA NEWS
NEW WAP. Following the activity of FT5XO the Worldwide Antarctic Program found it necessary to give Port Jeanne d'ARC station a new WAP reference number. It is WAP FRA-05.

Mirny Base (WAP RUS-07). Mike RW1AI is now the radio operator of Mirny Base as R1ANT for this season instead of his previous plans to operate from Progress Base (WAP RUS-11) as R1ANP. However it is very likely that Mike will participate in the supply convoy from Mirny to Vostok Base in Oct to Jan 2006 via Pionierskaya, Vostok I and Komsomolskaya Bases. Lets keep our fingers crossed that he will be able to activate these extremely rare Antarctic bases. QSL via RW1AI.

WAP SOFTWARE 1.0. The WAP Staff is pleased to announce the WAP Software (ver1.0) which is the best solution to manage your Antarctic Bases (WADA/WACA). The program was made by Carlo IK6CAC one of the best Ham Programers. Please try it and get your free download now at http://www.ddxc.net/wap or http://www.ddxc.netb The WAP Antarctic Bulletin written by Max/IK1GPG and Gianni/I1HYW is now available through the WAP Web site http://www.ddxc.net/wap Just click on the bulletin link.

CP, BOLIVIA
Rene DF9GR is now active as CP6/DF9GR until Apr 15. Activity will be on 80-10M. However over the past weekend he was on 30/20/17/15M mainly on CW with some activity on RTTY and PSK. QSL via DF9GR, by the Bureau is OK.

DXCC NEWS

E5A-E5Z, COOK ISLANDS (Cook Islands DXCC Status Change)
From the ARRL Web page, the issuance of a callsign prefix block for the Cook Islands has made them a DXCC political entity. It has come to our attention that the International Telecommunication Union Table of International Callsign Series now contains an entry for the Cook Islands, said ARRL Membership Services Manager Wayne Mills N7NG. New Zealand has been issued the E5A-E5Z callsign prefix block for the exclusive use of the Cook Islands. As a result, the Cooks become a political entity for DXCC purposes. Mills says the impact on the DXCC List will be minimal, however. In reviewing the distances, it appears that the first 'separation' from the South Cooks likely will be Palmerston Island, which is just over 350km northwest of Raratonga, he explained. The remainder of what has been known as the North Cooks is not sufficiently distant from Palmerston to become an additional DXCC entity. Mills says the main effect of the change will be for Palmerston to count for North Cooks instead of South Cooks. The change also may clarify a situation with the North Cooks. 1959 was not based on a specific distance, Palmerston has counted as South Cooks, he said. DXCC Rule 5a comes into play now, keeping both North and South Cooks on the list, but moving Palmerston to the North Cooks because it is more than 350km from the South islands and becomes the first separation. Under the circumstances, Mills said, it might now be appropriate to rename the entity Palmerston and the North Cooks. For more updates/details, please read the ARRL announcement at: http://www.arrl.org

SPECIAL EVENT
Operators Karlis/YL2MD Serge/YL2MU and Andris/YL2GQT will be active as YL740C YL740M and YL740T until Jun 28 to

celebrate the 740th anniversary of the Latvian City of
Jelgava (former Mitaw, the Capital of the Kurland Duchyin
XVII Century). QSL via their home callsigns.

WARD 2005. AWARD
Sylwester Jarkiewicz SP2FAP Editor-in-Chief of MK QTC Magazine
states the World Amateur Radio Day 2005 Award (WARD) is
designed to commemorate the World Amateur Radio Day celebrated
by IARU on Apr 18 each year. This years award celebrates the
80th anniversary of IARU. The AWARD 2005 is issued by the MK
QTC The Polish Radio Amateurs Journal, with support of PZK,
The Polish Amateur Radio Union. The WARD 2005 will be issued
for the following numbers of contacts: either 10 QSOs on HF
bands or 5 QSOs on VHF bands. All contacts must be made between
0000 and 2400z on Apr 18 2005. Send a standard application
form (log extract) including the list of QSOs to: MK QTC, The
Radio Amateurs Journal, Suchacz-Zamek, Wielmozy 5b, 82-340
Tolkmicko, Poland (on or before Jun 31 2005). The price of
the WARD 2005 Award is 5 USD or 5 EURO. The full-color awards
size: 210 x 297 mm. The WARD 2005 Award is also available to
SWLs for the same numbers of reports. Also visit the following
Web pages for more details: http://ward.radio.org.pl/
http://ward-award.prv.pl/ Also you can send (for more details)
via an Emails to qtc at post.pl

The Society can be contacted in the following ways:
To Pat VK2JPA via vk2jpa at wia.org.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN